

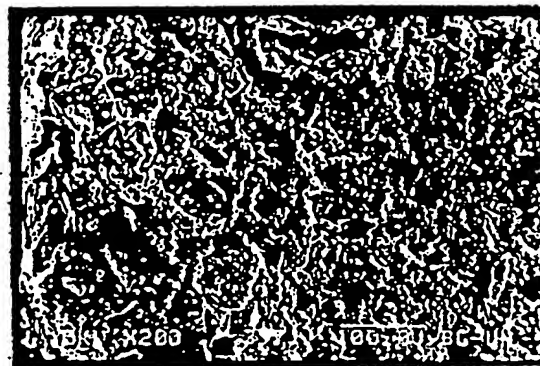


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(21) International Application Number: PCT/IL97/00161 (22) International Filing Date: 21 May 1997 (21.05.97) (30) Priority Data: 118376 22 May 1996 (22.05.96) IL (71) Applicant (for all designated States except US): BEN-GURION UNIVERSITY OF THE NEGEV [IL/IL]; Research and Development Authority, 1 Hashalom Street, 84419 Beer-Sheva (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): SHAPIRO, Lilia [IL/IL]; 1/21 Asher Barash Street, 84251 Beer-Sheva (IL). GLICK-LIS, Rachel [IL/IL]; 59 Har-Boker Street, Ramot, 84862 Beer-Sheva (IL). COHEN, Smadar [IL/IL]; 12 Tfuzoth Israel Street, 49581 Petach-Tikva (IL). (74) Agents: LUZZATTO, Kfir et al.; Luzzatto & Luzzatto, P.O. Box 5352, 84152 Beer-Sheva (IL).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: POLYSACCHARIDE SPONGES FOR CELL CULTURE AND TRANSPLANTATION**(57) Abstract**

A polysaccharide sponge characterized by having: (i) an average pore size in the range between about 10 μm to about 300 μm ; (ii) an average distance between the pores being the wall thickness of the pores in the range between about 5 μm to about 270 μm ; and (iii) an E-modulus of elasticity being a measure of the rigidity of the sponge in the range of about 50 kPa to about 500 kPa.



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ABSTRACT

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A polysaccharide sponge characterized by having: (i) an average pore size in the range between about 10 μm to about 300 μm ; (ii) an average distance between the pores being the wall thickness of the pores in the range between about 5 μm to about 270 μm ; and (iii) an E-modulus of elasticity being a measure of the rigidity of the sponge in the range of about 50 kPa to about 500kPa.

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